

Notice of Allowability

Application No.

10/664,402

Examiner

Ronald Abelson

Applicant(s)

WATANABE, NAOTOSHI

Art Unit

2619

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/20/07.
2. ☒ The allowed claim(s) is/are 1-4, 6-11, 21, 12-18, and 20-24; renumbered as 1-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Ronald Abelson

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Ronald Abelson
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Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this amendment was given in a telephone interview with Nathan Weber on 11/2/07.

In the Claims:

In claim 24, all occurrences of "location" have been changed to "location information".

Reasons for Allowance

2. Regarding claims 1, 12, 18, 22, and 23, Wenzel (2003/0073439) teaches a receiving unit receiving, from an active system routing device, a first registration request containing a first address (fig. 2 box 204, registration request IP address primary HA, [0032]) and a second registration request containing a second address held by a mobile node (fig. 2 box 210, 212, registration request secondary HA, [0033]);

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Wenzel teaches a storage unit / subscriber unit, storing the first address and the second address in a way that maps the first and second addresses to each other (subscriber unit, primary home agent, secondary home agents, [0012]);

Wenzel teaches a general data forwarding unit forwarding general data to the second address according to said storage unit (single secondary home agent not overloaded, [0012]);

Wenzel teaches a monitoring unit monitoring a status of said active system routing device (should the primary home agent fail, [0012]);

Wenzel teaches a switchover unit switching over said standby system routing device to an active system if said monitoring unit judges that a fault occurs in said active system routing device (primary home agent fails, single secondary home agent not overloaded, [0012]);

Although Wenzel teaches a first registration request containing a first address and a second registration request containing a second address held by a mobile node, the reference does not teach a registration request containing a first address and a second address held by a mobile node. In addition, although

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Wenzel teaches a storage unit storing the first address and the second address in a way that maps the first and second addresses to each other, the reference does not teach a storage unit storing the first address and the second address in a way that maps the first and second addresses to each other on the basis of the registration request received. Furthermore, the reference does not teach a transmission request unit sending a transmission request for transmitting the registration request to the second address stored on the storage unit when said switchover unit executes the switchover.

Regarding claim 24, nothing in the prior art of record teaches or fairly suggest, judging in accordance with a value of priority level corresponding to the location registration message whether the location registration message is forwarded to a standby system home agent (HA), in combination with the other limitations of the claim.

Conclusion

3. Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments of Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald Abelson whose telephone number is (571) 272-3165. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on (571) 272-7439. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Examiner

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